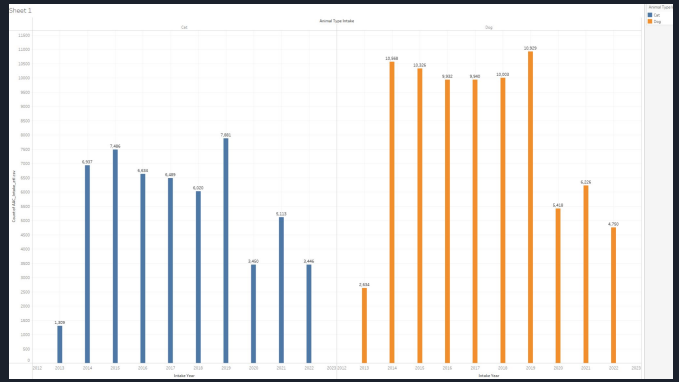
Austin Animal Center StoryBoard/Outline

Project by: Project-A-Team

Objective of Analysis: How to improve adaptability of animals in the shelter.

- Current issue: Overcrowding at Austin Animal Center.
  - Currently restricting animal intakes starting September 13th.
  - AAC Has over 700 animals.
  - https://www.kvue.com/article/life/animals/austin-animal-center-temporarily-restricts-animal-intakes/269-9fbf7f68-8682-4099-ad9c-7f84bc48c8c6?fbclid=IwAR284aVvcb8VDkzbKxpnA6VFa6OXDlg2gRj82cYLNG2lEQm-nql1fyq3i9Y
- Graphic for yearly intakes of Cats vs Dogs throughout the years.



Overview of Analysis: What we want to solve with data storytelling.

Questions to be answered (picking our top 5 soon, waiting for our data to tell the story):

1). What month has most intakes/outcomes
2). Distribution of dog and cats.
3). Where in Austin are most intakes coming from?
4.) Average dog and cat intake in a week?
5). Average time in the shelter?
6). Average time in shelter by age?
7). What type of animal is most likely to be returned to the owner?
8). What area of Austin is most likely to have strays?
9.) What day of the week is most likely to have adoptions?
10.) Does breed play a role in successful outcome?

Blueprint of DashBoard

1). What area of Austin is most likely to have strays? We will use a layered map in our dashboard to easily show common areas for strays.

2). What month has most intakes? Using bar graph to show month to month basis of intakes.

3). What day of the week is most likely to have adoptions? Using bar graph for days of the week to story tell what days are best for adoptions.

4). Where in Austin are most intakes coming from? Using a map to determine where most intakes are coming from.

5). Average time in shelter by age? Bar graph to show relationship between age and time.

Description of tools that will be used to create final dashboard

- We will be using tableau to create our final dashboard and will be creating our interactive elements through tableau.
- Interactive elements:
  - Filters for different years, breeds, age, maps with layers for how location is a factor, and among other interactive elements being discussed in our group.

Applying Machine learning to our Dataset.

- We used ML to see the successful adoptions for two different animal types: Cats and Dogs.

Conclusion/Proposals

1). Drawing conclusions from our questions we solve with our data analysis/storytelling.

2). Propose ideas on how AAC could improve adoptability by targeting animals that are most adoptable to get them out of the shelter faster.

3). Propose new adoption programs that can improve adoption rates of older animals, lower cost upfront, extra supplies, and more.

4). Show pers how many pets are available in a local shelter in Austin.